I CLAIM:

1. A temperature control system for exhaust generated by a compressor, comprising:

a data sampling unit for obtaining temperature and humidity values of an environment of the compressor;

an exhaust sensor for sensing exhaust temperature;

a control unit coupled to said data sampling unit and said exhaust sensor, said control unit generating a reference temperature value from the temperature and humidity values received from said data sampling unit, and further generating a control signal from the reference temperature value and the exhaust temperature received from said exhaust sensor; and

a temperature adjusting unit coupled to said control unit and operable so as to adjust the exhaust temperature in response to the control signal received from said control unit.

2. The temperature control system as claimed in Claim 1, wherein said data sampling unit includes a temperature sensor and a humidity sensor for sensing ambient temperature and humidity, respectively.

3. The temperature control system as claimed in Claim 1, wherein said data sampling unit includes a temperature sensor and a humidity sensor for sensing temperature and humidity at an intake of the compressor, respectively.

4. The temperature control system as claimed in Claim 1, wherein said control unit determines a pressure dew point from the temperature and humidity values received from said data sampling unit, and generates the reference temperature value by adding a user-defined value to the pressure dew point.

5. The temperature control system as claimed in Claim 1, wherein said control unit generates the control signal according to result of a comparison between the reference temperature value and the exhaust temperature received from said exhaust sensor.

6. The temperature control system as claimed in Claim 1, wherein said temperature adjusting unit includes a control valve driven by the control signal and adapted to control coolant flow in the compressor.